# Umair Shafiq

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## SKILLS

JavaScript (ES6+) | Node.js | TypeScript | AWS Lambda | Next.js | Redux/Redux Toolkit | Express.js | jQuery | HTML5 | CSS3 | SASS/SCSS | LESS | Tailwind CSS | Angular | React.js | Python | Bootstrap | Svelte | WordPress | Webpack | Git/GitHub | Figma | PostgreSQL | MongoDB | Vite | Containerization (Docker/Kubernetes) | YAML | PHP | OAuth | GraphQL | Puppeteer/Cheerio| Scrapingdog | NLP/NLTK| GPT-4 | TDD (Jest/Playwright)

## PROFESSIONAL EXPERIENCE

**Full Stack Software Engineer,** Noria Water Technologies - | Los Angeles, California                    *2023 - Current*

- Refined the WordPress platform by integrating custom PHP themes and optimizing database queries via advanced indexing and caching techniques, enhancing CMS efficiency, and improving editorial workflows by 30%
- Enhanced lifecycle events with a custom React-based frontend architecture, using custom hooks and React's Context API for state management, and React Query for data fetching and caching, improving rendering efficiency by 60% and reducing re-renders by 40%
- Revamped cloud infrastructure with AWS Lambda and RDS, reducing operational costs by 35% and improving uptime by 25%
- Containerized the RO-Spotlight™ digital dashboard and microservices with Docker and Kubernetes for automated testing and deployment, achieving a 99.9% uptime and reducing environment-specific bugs by 50%
- Implemented GraphQL APIs and Next.js server-side rendering for the RO-Spotlight™ digital dashboard, improving data retrieval and reducing dashboard load times by 40%

**Full Stack Software Engineer**, GeSvelte - OSLabs | Los Angeles, California                    *2022 - 2023*

- Addressed component reusability by integrating custom Svelte components with TypeScript and GraphQL, increasing reusability by 60% and ensuring full compliance with W3C A11Y, WCAG, and ARIA standards
- Architected an intuitive UI/UX using complex React Hooks and Redux Toolkit for state management, reducing page re-renders by 70% and boosting runtime efficiency by 50%
- Simplified manual server configurations and external libraries by leveraging SvelteKit's layout API with AWS Lambda and Python functions, reducing REST API endpoint generation time by 50% and improving application scalability by 30%

**Frontend Web Developer**, Riverside Community College | Riverside, California                    *2018 - 2022*

- Revamped the RCC homepage using Bootstrap, SASS/SCSS, and LESS, ensuring mobile responsiveness and visual coherence, leading to a 40% improvement in brand alignment. Integrated OAuth for secure user authentication
- Optimized the RCC homepage by implementing server-side rendering with React and Next.js, resulting in a 90% improvement in SEO rankings and a 20% increase in user engagement
- Streamlined data flow between frontend and backend systems using Node.js, Express.js, and GraphQL, reducing data-fetch latencies by 30% and improving system reliability by 15%. Utilized Redux for efficient state management
- Assisted the junior CSI student team at RCC in a NASA challenge, developing a virtual UI for a space suit visor using React, Three.js, and WebGL. The project received accolades for its innovative approach and technical excellence

## Open Source

### Magicwords – Job Keyword Finder

- Engineered a machine-learning A.I. powered web crawler using Node.js and Axios, enhanced with Scrapingdog for advanced web scraping and Puppeteer for handling JavaScript-rendered content. Aggregated job requirements with actionable insights, reducing manual effort by 70%
- Programmed an optimized front-end interface with Next.js and Tailwind CSS, fortified by Redux for state management and integrated with React for dynamic data visualization. Rendered interactive tables and charts to visualize essential job skills and experience metrics
- Designed a robust backend architecture using Node.js with Express, integrating a PostgreSQL database that utilizes caching for previously fetched data, enhancing platform efficiency and reducing data retrieval times by 50%
- Integrated Natural Language Processing capabilities by leveraging GPT-4 and NLTK libraries. Developed algorithms to preprocess and analyze job posting text data using Scrapingdog and Puppeteer, improving keyword matching accuracy by 40%

## EDUCATION

**Codesmith** | Full-stack Web Developer Enhanced Immersive – Software Engineering Residency                    *2019 – 2020*

**Riverside Community College** | Associates of Math and Computer Science                    *2017 – 2019*

**Aureus University School of Medicine** | Bachelor of Science                    *2013 – 2017*